

AMENDMENTS TO THE CLAIMS:

Please cancel Claims 16 and 17 without prejudice or disclaimer of the subject matter presented therein.

Please amend Claims 7-15 as follows. In accordance with the revised amendment format, all claims are presented below.

1-6 (Cancelled)

7. (Currently amended) A method of manufacturing an ink jet head having a substrate ~~which~~ and a ceiling member joined to said substrate, wherein said substrate includes a plurality of energy generating elements for generating energy utilized to discharge ink, said substrate having a plurality of recessed portions, said plurality of recessed portions having a bottom surface located at a position which is lower than a position of a heat acting surface of said substrate, and a wall member joined to said substrate, said wall ~~and wherein said ceiling member having~~ has a plurality of flow passage walls which define a plurality of flow passages when said substrate is joined to said wall ~~ceiling~~ member, the energy generated by said energy generating elements acting on the ink to discharge the ink through the plurality of flow passages, said method comprising the steps of:

providing ~~the~~ a plurality of recessed portions in a surface on said substrate such that said plurality of recessed portions have a bottom surface located at a position which is lower than a position of a heat acting surface of said substrate; and

fitting said plurality of recessed portions to said flow passage walls of said wall ~~ceiling~~ member by applying a force to said wall ~~ceiling~~ member along a direction in which said

plurality of energy generating elements are arranged, thereby aligning said flow passages with said energy generating elements.

8. (Currently amended) The method of manufacturing an ink jet head according to claim 7, further comprising the ~~steps~~ step of:
providing a raised convex pattern portion of material on a surface of said substrate at an end portion thereof, ~~in a direction in which said plurality of energy generating elements are arranged, and wherein an area of said wall ceiling member has a recessed portion~~ corresponding to said convex pattern portion is arranged such that said area of said ceiling member does not make contact with said convex portion.

9. (Currently amended) The method of manufacturing an ink jet head according to claim 8, wherein said ~~recessed portion~~ area of said wall ceiling member is provided within a dummy nozzle portion.

10. (Currently amended) The method of manufacturing an ink jet head according to claim 7, wherein ~~said convex pattern portion~~ is made of at least one of an epoxy and a silicone type photosensitive material.

11. (Currently amended) A method of manufacturing an ink jet head having a substrate ~~which~~ and a ceiling member joined to said substrate, wherein said substrate includes a plurality of energy generating elements for generating energy utilized for discharging ink, ~~said substrate having a plurality of recessed portions, said plurality of recessed portions having a~~

bottom surface located at a position which is lower than a position of a heat acting surface of said substrate, and a wall member joined to said substrate and wherein said ceiling member having has a plurality of flow passage walls which define a plurality of flow passages when said substrate is joined to said wall ceiling member, the energy generated by said energy generating elements acting on the ink to discharge the ink through the plurality of flow passages, said method comprising the steps of:

providing the a plurality of recessed portions in a surface on said substrate such that said plurality of recessed portions have a bottom surface located at a position which is lower than a position of a heat acting surface of said substrate; and

fitting said plurality of recessed portions to said flow passage walls of said wall ceiling member by vibrating said substrate so that a force having at least a component acting in a direction in which said plurality of energy generating elements are arranged is applied to said wall ceiling member, thereby aligning said flow passages with said energy generating elements.

12. (Currently amended) The method of manufacturing an ink jet head according to claim 11, further comprising the ~~steps~~ step of:

providing a raised convex pattern portion of material on a surface of said substrate at an end portion thereof, in a direction in which said plurality of energy generating elements are arranged, and wherein an area of said wall ceiling member has a recessed portion corresponding to said convex pattern portion is arranged such that said area of said ceiling member does not make contact with said convex portion.

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13. (Currently amended) The method of manufacturing an ink jet head according to claim 12, wherein said ~~recessed portion~~ area of said ~~wall~~ ceiling member is provided within a dummy nozzle portion.

14. (Currently amended) The method of manufacturing an ink jet head according to claim 11, wherein ~~said convex pattern portion~~ is made of at least one of an epoxy and a silicone type photosensitive material.

15. (Currently amended) The method of manufacturing an ink jet head according to claim 11, wherein said substrate is vibrated by vibrations having an amplitude which is smaller than a ~~width~~ depth of one of said recessed ~~portion~~ portions formed in a surface on said substrate.

16-18 (Cancelled)

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concluded